

System, Method, and Computer Program Product For In-Place, Lightweight Ack Promotion In A Cable Modem Environment

Abstract

A method, system, and computer program product for in-place, lightweight Ack packet promotion is provided. The method includes receiving a new Ack packet; searching through a transmit queue for an old Ack packet that corresponds to the new Ack packet; and replacing the data in a number field, a checksum field, a window size field, and a timestamp options field of the old Ack packet with data in a number field, a checksum field, a window size field, and a timestamp options field of the new Ack packet.